

AMENDMENTS TO THE CLAIMS:

Claim 1 (currently amended). A syringe assembly comprising:

a barrel of one of a cyclic olefin containing polymer and a bridged polycyclic olefin containing polymer, the barrel including an inner surface defining a chamber to contain flowable materials, the chamber having an opening; and,

an elastomeric piston slidably attached to the body and providing a seal of the chamber, the elastomeric piston having a parylene coating on an outer surface thereof, wherein the piston comprises

a proximal end,

a distal end, and

a cavity extending into the proximal end, wherein a first mating member is located in the cavity and comprises one of a plurality of male and female threads; and

a plunger rod having a second mating member comprising the other of the plurality of male and female threads, wherein the first mating member engages the second mating member, and wherein a major diameter and a minor diameter of one of the first and second mating members is larger than the major diameter and minor diameter of the other of the first and second mating members.

Claim 2 (original). The assembly of claim 1, wherein the elastomeric piston is steam sterilized.

Claim 3 (original). The assembly of claim 1, wherein the elastomeric component is a

synthetic rubber selected from the group consisting of styrene-butadiene copolymers, acrylonitrile-butadiene copolymers, neoprenes, butyl rubbers, polysulfide elastomers, urethane rubbers, stereo rubbers, ethylene-propylene elastomers.

Claim 4 (original). The assembly of claim 3, wherein the synthetic rubber is a halogenated butyl rubber.

Claim 5 (original). The assembly of claim 1, wherein the body is e-beam sterilized.

Claim 6 (original). The assembly of claim 1, wherein the piston has a plurality of annular lobes providing multiple seal areas with said inner surface of said barrel.

Claim 7 (original). The assembly of claim 6, wherein the annular lobe adjacent a distal end of the piston has a radius which is greater than a radius of the annular lobe located adjacent a proximal end of the piston.

Claim 8 (canceled).

Claim 9 (canceled).

Claim 10 (currently amended). The assembly of claim [[9]] 1, wherein a thread pitch for the first mating member is the same as the thread pitch for the second mating member.

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Claim 11 (original). The assembly of claim 6, wherein the annular lobe adjacent a distal end of the piston has a diameter which is greater than a diameter of the annular lobe located adjacent a proximal end of the piston.

Claims 12-19 (canceled).